

ABSTRACT OF THE DISCLOSURE

[0095] A piston is guided in an axially displaceable manner sealed off from a closed cylinder via an annular seal radially surrounding it, and divides the cylinder interior into a working space near the piston rod and a working space away from the piston rod. The two working spaces are filled with a hydraulic fluid. The piston has a one-sided piston rod which extends through the working space near the piston rod and is guided in a sealed manner to the outside through an end closing wall of the cylinder. A first valve can be opened under high pressure to connect the working space away from the piston rod to the working space near the piston rod. A second valve can be opened under high pressure to connect the working space near the piston rod to the working space away from the piston rod. A volume-equalizing chamber for receiving the amount displaced from the working space away from the piston rod, which is greater than the amount displaced from the working space near the piston rod. The volume-equalizing chamber is arranged in the piston, and the working space away from the piston rod can be connected to the volume-equalizing chamber via the first valve and the working space near the piston rod can be connected to it via the second valve. The volume-equalizing chamber can be connected to the working space away from the piston rod via a first nonreturn valve and can be connected to the working space near the piston rod via a second nonreturn valve.